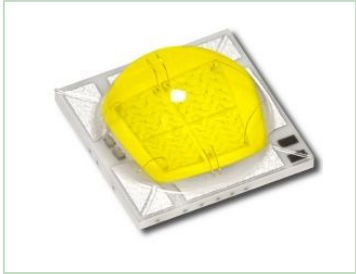
Technical Data Sheet

Acrich

SEOUL SEMICONDUCTOR

Binning and Labeling

A7 Series



The Acrich series of LEDs are designed for AC operation and high flux output applications. Acrich LEDs are an environmentally friendly semiconductor lighting source that can be directly connected to an AC power source without any DC conversion required.

Acrich's thermal management erformance exceeds other power LED solutions by incorporating state-of-the-art SMD design and use of specialized thermal emission material. Acriche is an ideal light source for general purpose illumination applications

This application note provides binning and labeling information of Acrich series. It includes the Acrich bins for luminous flux, wavelength (or x,y coordinates), correlated color temperature (CCT) for white.

Features

- Connect in AC power with Bridge Diode
- Power Saving
- Long Life
- Simplified B.O.M
- Small design footprint
- SMT solderbility
- Lead Free product
- RoHS compliant

Applications

- General Luminaries
- Factory Ceiling light
- Industrial Light
- Interior Spot light

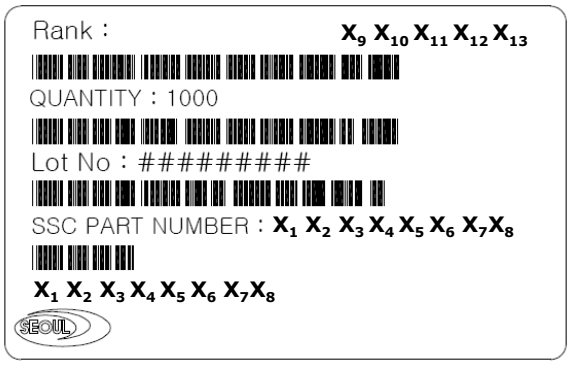
Rev. 01
July 2012
www.ACRICH.com
Document No. : SSC-QP-7-07-24 (Rev.00)

Full Code of A7 Series

1. Part Number form : $X_1X_2X_3X_4X_5X_6X_7X_8 - X_9X_{10}X_{11}X_{12}X_{13}$

Part Number	**X1**	**Company**	**S**	SSC
	X2	**Package series**	**A**	Acriche
	X3	**Color**	**WW**	Warm White
	X4		**W0**	Pure White
	X5	**Acrich series number**	**7**	A7 series
	X6	**Voltage**	**B**	100V/110V/120V
			D	220V/230V
	X7	**PCB type**	**0**	Emitter
	X8	**Revision No.**	**A**	Internal code
Code	**X9X10**	**Brightness bin**	**-**	-
	X11X12	**Color bin**	**-**	-
	X13	**VF bin**	**-**	-

2. Sticker Diagram on Reel & Aluminum Vinyl Bag



Code Labeling

1. Luminous Flux Bins

- Luminous flux bin structure for pure white, warm white

· **Example**
BIN CODE : **Z1**B0C
→ Luminous Flux bin

Bin Code		Luminous Flux [lm]
X	X1	200.0 ~ 230.0
	X2	230.0 ~ 260.0
Y	Y1	260.0 ~ 300.0
	Y2	300.0 ~ 340.0
Z	Z1	340.0 ~ 390.0
	Z2	390.0 ~ 440.0

The list explains the photometric luminous flux bins for Acrich series. Acrich series are tested and binned by photometric luminous flux. Not all bins are available in all colors.

Tolerance : ±10% of Luminous flux value

2. Pure White CIE

Pure white product tested and binned by x,y coordinates and CCT

- **Example**
  BIN CODE : X2**A0**C
  → Color bin

- A7 Pure white bin structure

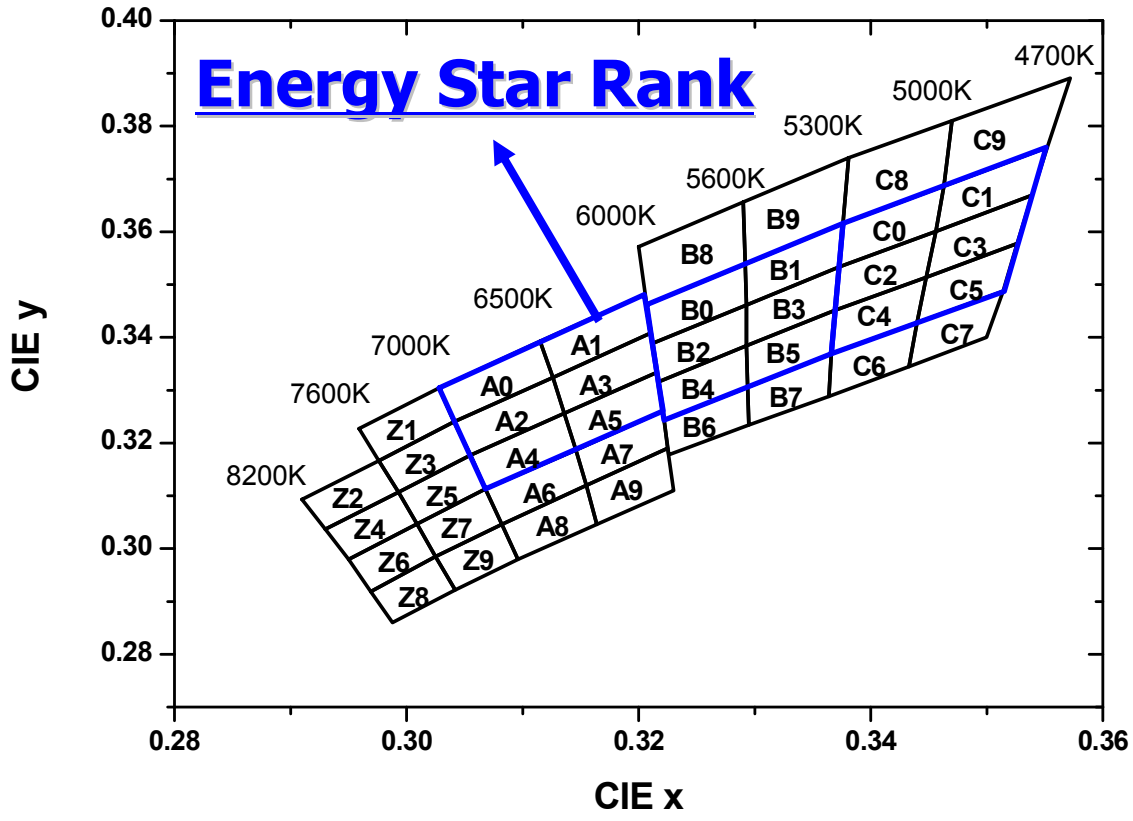
Bin	CHR_X	CHR_Y	CCT(K)	Bin	CHR_X	CHR_Y	CCT(K)	Bin	CHR_X	CHR_Y	CCT(K)	Bin	CHR_X	CHR_Y	CCT(K)
Z2	0.2910	0.3093	8200~ 7600K	A0	0.3028	0.3304	7000~ 6500K	B8	0.3200	0.3572	6000~ 5600K	C8	0.3381	0.3740	5300~ 5000K
	0.2930	0.3037			0.3041	0.3240			0.3207	0.3462			0.3470	0.3810	
	0.2993	0.3107			0.3126	0.3324			0.3292	0.3539			0.3463	0.3687	
	0.2976	0.3166			0.3115	0.3393			0.3290	0.3656			0.3376	0.3616	
Z4	0.2930	0.3037	8200~ 7600K	A2	0.3041	0.3240	7000~ 6500K	B0	0.3207	0.3462	6000~ 5600K	C0	0.3376	0.3616	5300~ 5000K
	0.2950	0.2980			0.3055	0.3177			0.3212	0.3389			0.3373	0.3534	
	0.3009	0.3047			0.3136	0.3256			0.3293	0.3461			0.3456	0.3601	
	0.2993	0.3107			0.3126	0.3324			0.3292	0.3539			0.3463	0.3687	
Z6	0.2950	0.2980	8200~ 7600K	A4	0.3055	0.3177	7000~ 6500K	B2	0.3212	0.3389	6000~ 5600K	C2	0.3373	0.3534	5300~ 5000K
	0.2969	0.2919			0.3068	0.3113			0.3217	0.3316			0.3369	0.3451	
	0.3025	0.2985			0.3146	0.3187			0.3293	0.3384			0.3448	0.3514	
	0.3009	0.3047			0.3136	0.3256			0.3293	0.3461			0.3456	0.3601	
Z8	0.2969	0.2919	8200~ 7600K	A6	0.3068	0.3113	7000~ 6500K	B4	0.3217	0.3316	6000~ 5600K	C4	0.3369	0.3451	5300~ 5000K
	0.2988	0.2860			0.3082	0.3046			0.3222	0.3243			0.3366	0.3369	
	0.3042	0.2922			0.3155	0.3120			0.3294	0.3306			0.3440	0.3428	
	0.3025	0.2985			0.3146	0.3187			0.3293	0.3384			0.3448	0.3514	
Z1	0.2959	0.3227	7600~ 7000K	A8	0.3082	0.3046	7000~ 6500K	B6	0.3222	0.3243	6000~ 5600K	C6	0.3366	0.3369	5300~ 5000K
	0.2976	0.3166			0.3096	0.2980			0.3226	0.3178			0.3364	0.3288	
	0.3041	0.3240			0.3164	0.3046			0.3295	0.3234			0.3433	0.3345	
	0.3028	0.3304			0.3155	0.3120			0.3294	0.3306			0.3440	0.3428	
Z3	0.2976	0.3166	7600~ 7000K	A1	0.3115	0.3393	6500~ 6000K	B9	0.3290	0.3656	5600~ 5300K	C9	0.3470	0.3810	5000~ 4700K
	0.2993	0.3107			0.3126	0.3324			0.3292	0.3539			0.3572	0.3891	
	0.3055	0.3177			0.3210	0.3408			0.3376	0.3616			0.3552	0.3760	
	0.3041	0.3240			0.3205	0.3481			0.3381	0.3740			0.3463	0.3687	
Z5	0.2993	0.3107	7600~ 7000K	A3	0.3126	0.3324	6500~ 6000K	B1	0.3292	0.3539	5600~ 5300K	C1	0.3463	0.3687	5000~ 4700K
	0.3009	0.3047			0.3136	0.3256			0.3293	0.3461			0.3456	0.3601	
	0.3068	0.3113			0.3216	0.3334			0.3373	0.3534			0.3539	0.3669	
	0.3055	0.3177			0.3210	0.3408			0.3376	0.3616			0.3552	0.3760	
Z7	0.3009	0.3047	7600~ 7000K	A5	0.3136	0.3256	6500~ 6000K	B3	0.3293	0.3461	5600~ 5300K	C3	0.3456	0.3601	5000~ 4700K
	0.3025	0.2985			0.3146	0.3187			0.3293	0.3384			0.3448	0.3514	
	0.3082	0.3046			0.3221	0.3261			0.3369	0.3451			0.3526	0.3578	
	0.3068	0.3113			0.3216	0.3334			0.3373	0.3534			0.3539	0.3669	
Z9	0.3025	0.2985	7600~ 7000K	A7	0.3146	0.3187	6500~ 6000K	B5	0.3293	0.3384	5600~ 5300K	C5	0.3448	0.3514	5000~ 4700K
	0.3042	0.2922			0.3155	0.3120			0.3294	0.3306			0.3440	0.3428	
	0.3096	0.2980			0.3225	0.3190			0.3366	0.3369			0.3514	0.3487	
	0.3082	0.3046			0.3221	0.3261			0.3369	0.3451			0.3526	0.3578	
				A9	0.3155	0.3120	6500~ 6000K	B7	0.3294	0.3306	5600~ 5300K	C7	0.3440	0.3428	5000~ 4700K
					0.3164	0.3046			0.3295	0.3234			0.3433	0.3345	
					0.3230	0.3110			0.3364	0.3288			0.3500	0.3400	
					0.3225	0.3190			0.3366	0.3369			0.3514	0.3487	

Tolerance

Color coordinate : ±0.005

CCT : ±5% of value

- Pure white binning structure graphical representation



3. Warm White CIE

Warm white product tested and binned by x,y coordinates and CCT

- A7 Warm white bin structure

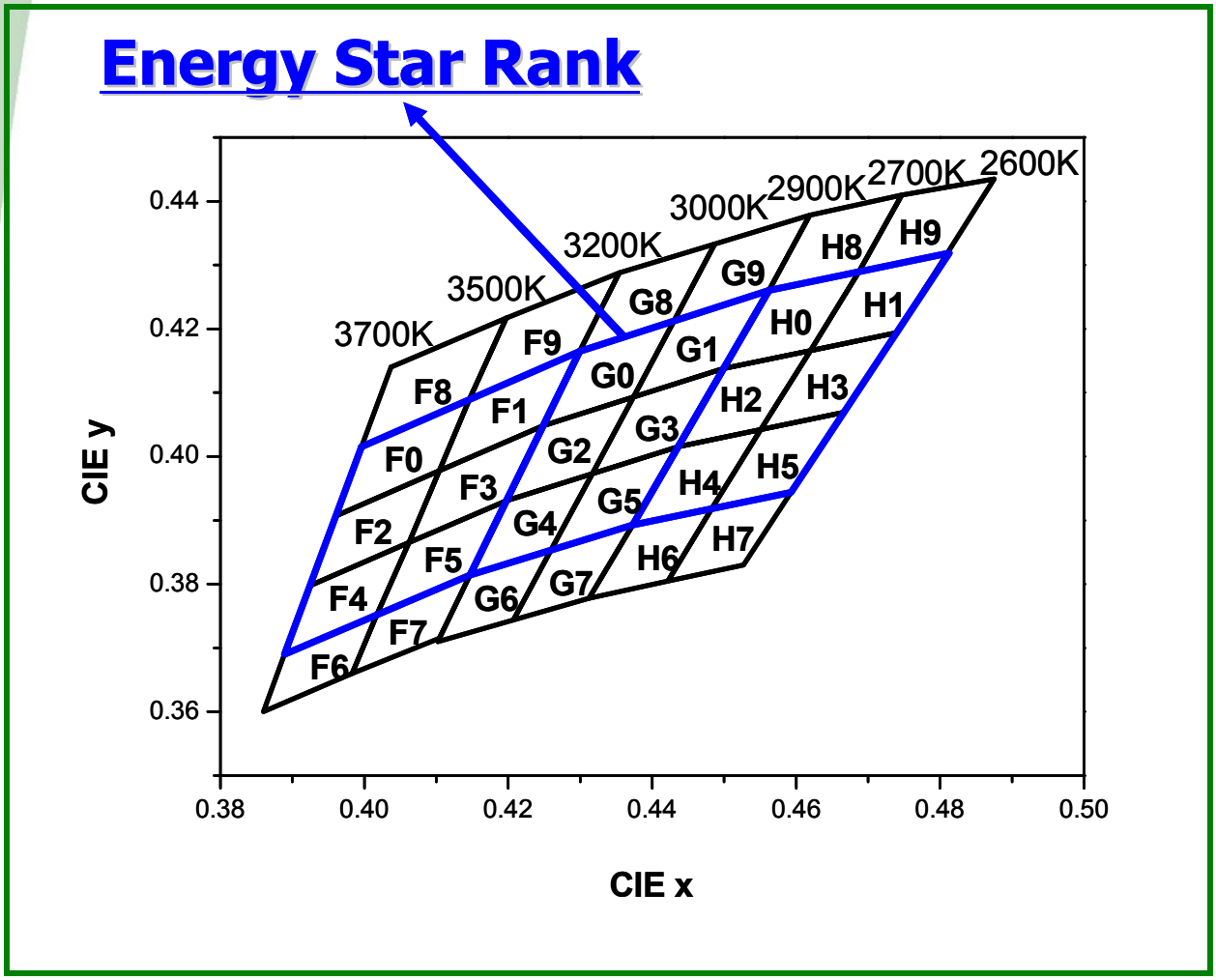
Bin	CHR_X	CHR_Y	CCT(K)	Bin	CHR_X	CHR_Y	CCT(K)	Bin	CHR_X	CHR_Y	CCT(K)
F8	0.4037	0.414	3700~ 3500K	G8	0.4354	0.4288	3200~ 3000K	H8	0.4619	0.4378	2900~ 2700K
	0.3996	0.4015			0.4299	0.4165			0.4562	0.426	
	0.4146	0.4089			0.443	0.4212			0.4687	0.4289	
	0.4197	0.4217			0.4487	0.4333			0.4747	0.441	
F0	0.3996	0.4015	3700~ 3500K	G0	0.4299	0.4165	3200~ 3000K	H0	0.4562	0.426	2900~ 2700K
	0.396	0.3907			0.4248	0.4048			0.4499	0.4138	
	0.4104	0.3978			0.4374	0.4093			0.462	0.4166	
	0.4146	0.4089			0.443	0.4212			0.4687	0.4289	
F2	0.396	0.3907	3700~ 3500K	G2	0.4248	0.4048	3200~ 3000K	H2	0.4499	0.4138	2900~ 2700K
	0.3925	0.3798			0.4198	0.3931			0.4436	0.4015	
	0.4062	0.3865			0.4317	0.3973			0.4551	0.4042	
	0.4104	0.3978			0.4374	0.4093			0.462	0.4166	
F4	0.3925	0.3798	3700~ 3500K	G4	0.4198	0.3931	3200~ 3000K	H4	0.4436	0.4015	2900~ 2700K
	0.3889	0.369			0.4147	0.3814			0.4373	0.3893	
	0.4017	0.3751			0.4259	0.3853			0.4483	0.3919	
	0.4062	0.3865			0.4317	0.3973			0.4551	0.4042	
F6	0.3889	0.369	3700~ 3500K	G6	0.4147	0.3814	3200~ 3000K	H6	0.4373	0.3893	2900~ 2700K
	0.386	0.36			0.4102	0.371			0.4312	0.3778	
	0.3983	0.366			0.4207	0.3744			0.4422	0.3805	
	0.4017	0.3751			0.4259	0.3853			0.4483	0.3919	
F9	0.4197	0.4217	3500~ 3200K	G9	0.4487	0.4333	3000~ 2900K	H9	0.4747	0.441	2700~ 2600K
	0.4146	0.4089			0.443	0.4212			0.4687	0.4289	
	0.4299	0.4165			0.4562	0.426			0.481	0.4319	
	0.4354	0.4288			0.4619	0.4378			0.4875	0.4435	
F1	0.4146	0.4089	3500~ 3200K	G1	0.443	0.4212	3000~ 2900K	H1	0.4687	0.4289	2700~ 2600K
	0.4104	0.3978			0.4374	0.4093			0.462	0.4166	
	0.4248	0.4048			0.4499	0.4138			0.474	0.4194	
	0.4299	0.4165			0.4562	0.426			0.481	0.4319	
F3	0.4104	0.3978	3500~ 3200K	G3	0.4374	0.4093	3000~ 2900K	H3	0.462	0.4166	2700~ 2600K
	0.4062	0.3865			0.4317	0.3973			0.4551	0.4042	
	0.4198	0.3931			0.4436	0.4015			0.4666	0.4069	
	0.4248	0.4048			0.4499	0.4138			0.474	0.4194	
F5	0.4062	0.3865	3500~ 3200K	G5	0.4317	0.3973	3000~ 2900K	H5	0.4551	0.4042	2700~ 2600K
	0.4017	0.3751			0.4259	0.3853			0.4483	0.3919	
	0.4147	0.3814			0.4373	0.3893			0.4593	0.3944	
	0.4198	0.3931			0.4436	0.4015			0.4666	0.4069	
F7	0.4017	0.3751	3500~ 3200K	G7	0.4259	0.3853	3000~ 2900K	H7	0.4483	0.3919	2700~ 2600K
	0.3983	0.366			0.4207	0.3744			0.4422	0.3805	
	0.4104	0.3715			0.4312	0.3778			0.4527	0.383	
	0.4147	0.3814			0.4373	0.3893			0.4593	0.3944	

Tolerance

Color coordinate : ±0.005

CCT : ±5% of value

- A7 Warm white binning structure graphical representation



4. RMS Voltage Bins (emitter)

- SAWX7C0A (operating in 110V)

Bin Code	Voltage [V,RMS]
A	84.0~86.0
B	86.0~88.0
C	88.0~90.0
D	90.0 ~92.0

- SAWX7D0A (operating in 220V)

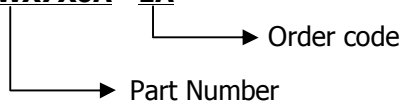
Bin Code	Voltage [V,RMS]
A	167.0~172.0
B	172.0~177.0
C	177.0~182.0
D	182.0 ~187.0

Tolerance : ±0.5V

A7 Order Code (4W)

A7 series has an order code, use it as follows to purchase.

· Example : SAWX7X0A - 1A



1. Pure White

Standard Order Codes for Pure white						
Order Code	LF	CC	VF	Bin Codes		
Part No. – 1A	Y2 Z1 Z2	Z2	A B C D	Y2Z2A~Y2Z2D	Z1Z2A~Z1Z2D	Z2Z2A~Z2Z2D
		Z4		Y3Z4A~Y3Z4D	Z1Z4A~Z1Z4D	Z2Z4A~Z2Z4D
		Z1		Y4Z1A~Y4Z1D	Z1Z1A~Z1Z1D	Z2Z1A~Z2Z1D
		Z3		Y5Z3A~Y5Z3D	Z1Z3A~Z1Z3D	Z2Z3A~Z2Z3D
		Z5		Y6Z5A~Y6Z5D	Z1Z5A~Z1Z5D	Z2Z5A~Z2Z5D
Part No. – 1B	Y2 Z1 Z2	Z1	A B C D	Y7Z1A~Y7Z1D	Z1Z1A~Z1Z1D	Z2Z1A~Z2Z1D
		Z3		Y8Z3A~Y8Z3D	Z1Z3A~Z1Z3D	Z2Z3A~Z2Z3D
		Z5		Y9Z5A~Y9Z5D	Z1Z5A~Z1Z5D	Z2Z5A~Z2Z5D
		A0		Y10A0A~Y10A0D	Z1A0A~Z1A0D	Z2A0A~Z2A0D
		A2		Y11A2A~Y11A2D	Z1A2A~Z1A2D	Z2A2A~Z2A2D
		A4		Y12A4A~Y12A4D	Z1A4A~Z1A4D	Z2A4A~Z2A4D
Part No. – 1C	Y2 Z1 Z2	A0	A B C D	Y13A0A~Y13A0D	Z1A0A~Z1A0D	Z2A0A~Z2A0D
		A2		Y14A2A~Y14A2D	Z1A2A~Z1A2D	Z2A2A~Z2A2D
		A4		Y15A4A~Y15A4D	Z1A4A~Z1A4D	Z2A4A~Z2A4D
		A1		Y16A1A~Y16A1D	Z1A1A~Z1A1D	Z2A1A~Z2A1D
		A3		Y17A3A~Y17A3D	Z1A3A~Z1A3D	Z2A3A~Z2A3D
		A5		Y18A5A~Y18A5D	Z1A5A~Z1A5D	Z2A5A~Z2A5D
Part No. – 1D	Y2 Z1 Z2	A1	A B C D	Y19A1A~Y19A1D	Z1A1A~Z1A1D	Z2A1A~Z2A1D
		A3		Y20A3A~Y20A3D	Z1A3A~Z1A3D	Z2A3A~Z2A3D
		A5		Y21A5A~Y21A5D	Z1A5A~Z1A5D	Z2A5A~Z2A5D
		B0		Y22B0A~Y22B0D	Z1B0A~Z1B0D	Z2B0A~Z2B0D
		B2		Y23B2A~Y23B2D	Z1B2A~Z1B2D	Z2B2A~Z2B2D
		B4		Y24B4A~Y24B4D	Z1B4A~Z1B4D	Z2B4A~Z2B4D
Part No. – 1E	Y2 Z1 Z2	B0	A B C D	Y25B0A~Y25B0D	Z1B0A~Z1B0D	Z2B0A~Z2B0D
		B2		Y26B2A~Y26B2D	Z1B2A~Z1B2D	Z2B2A~Z2B2D
		B4		Y27B4A~Y27B4D	Z1B4A~Z1B4D	Z2B4A~Z2B4D
		B1		Y28B1A~Y28B1D	Z1B1A~Z1B1D	Z2B1A~Z2B1D
		B3		Y29B3A~Y29B3D	Z1B3A~Z1B3D	Z2B3A~Z2B3D
		B5		Y30B5A~Y30B5D	Z1B5A~Z1B5D	Z2B5A~Z2B5D
Part No. – 1F	Y2 Z1 Z2	B1	A B C D	Y31B1A~Y31B1D	Z1B1A~Z1B1D	Z2B1A~Z2B1D
		B3		Y32B3A~Y32B3D	Z1B3A~Z1B3D	Z2B3A~Z2B3D
		B5		Y33B5A~Y33B5D	Z1B5A~Z1B5D	Z2B5A~Z2B5D
		C0		Y34C0A~Y34C0D	Z1C0A~Z1C0D	Z2C0A~Z2C0D
		C2		Y35C2A~Y35C2D	Z1C2A~Z1C2D	Z2C2A~Z2C2D
		C4		Y36C4A~Y36C4D	Z1C4A~Z1C4D	Z2C4A~Z2C4D
Part No. – 1G	Y2 Z1 Z2	C0	A B C D	Y37C0A~Y37C0D	Z1C0A~Z1C0D	Z2C0A~Z2C0D
		C2		Y38C2A~Y38C2D	Z1C2A~Z1C2D	Z2C2A~Z2C2D
		C4		Y39C4A~Y39C4D	Z1C4A~Z1C4D	Z2C4A~Z2C4D
		C1		Y40C1A~Y40C1D	Z1C1A~Z1C1D	Z2C1A~Z2C1D
		C3		Y41C3A~Y41C3D	Z1C3A~Z1C3D	Z2C3A~Z2C3D
		C5		Y42C5A~Y42C5D	Z1C5A~Z1C5D	Z2C5A~Z2C5D

1. Pure White

Standard Order Codes for Pure white						
Order Code	LF	CC	VF	Bin Codes		
Part No. – 2A	Y2 Z1 Z2	A1	A B C D	Y2A1A~Y2A1D	Z1A1A~Z1A1D	Z2A1A~Z2A1D
		A3		Y2A3A~Y2A3D	Z1A3A~Z1A3D	Z2A3A~Z2A3D
		A5		Y2A5A~Y2A5D	Z1A5A~Z1A5D	Z2A5A~Z2A5D
		B8		Y2B8A~Y2B8D	Z1B8A~Z1B8D	Z2B8A~Z2B8D
		B0		Y2B0A~Y2B0D	Z1B0A~Z1B0D	Z2B0A~Z2B0D
		B2		Y2B2A~Y2B2D	Z1B2A~Z1B2D	Z2B2A~Z2B2D
Part No. – 2B	Y2 Z1 Z2	B8	A B C D	Y2B8A~Y2B8D	Z1B8A~Z1B8D	Z2B8A~Z2B8D
		B0		Y2B0A~Y2B0D	Z1B0A~Z1B0D	Z2B0A~Z2B0D
		B2		Y2B2A~Y2B2D	Z1B2A~Z1B2D	Z2B2A~Z2B2D
		B9		Y2B9A~Y2B9D	Z1B9A~Z1B9D	Z2B9A~Z2B9D
		B1		Y2B1A~Y2B1D	Z1B1A~Z1B1D	Z2B1A~Z2B1D
		B3		Y2B3A~Y2B3D	Z1B3A~Z1B3D	Z2B3A~Z2B3D
Part No. – 2C	Y2 Z1 Z2	B9	A B C D	Y2B9A~Y2B9D	Z1B9A~Z1B9D	Z2B9A~Z2B9D
		B1		Y2B1A~Y2B1D	Z1B1A~Z1B1D	Z2B1A~Z2B1D
		B3		Y2B3A~Y2B3D	Z1B3A~Z1B3D	Z2B3A~Z2B3D
		C8		Y2C8A~Y2C8D	Z1C8A~Z1C8D	Z2C8A~Z2C8D
		C0		Y2C0A~Y2C0D	Z1C0A~Z1C0D	Z2C0A~Z2C0D
		C2		Y2C2A~Y2C2D	Z1C2A~Z1C2D	Z2C2A~Z2C2D
Part No. – 2D	Y2 Z1 Z2	C8	A B C D	Y2C8A~Y2C8D	Z1C8A~Z1C8D	Z2C8A~Z2C8D
		C0		Y2C0A~Y2C0D	Z1C0A~Z1C0D	Z2C0A~Z2C0D
		C2		Y2C2A~Y2C2D	Z1C2A~Z1C2D	Z2C2A~Z2C2D
		C9		Y2C9A~Y2C9D	Z1C9A~Z1C9D	Z2C9A~Z2C9D
		C1		Y2C1A~Y2C1D	Z1C1A~Z1C1D	Z2C1A~Z2C1D
		C3		Y2C3A~Y2C3D	Z1C3A~Z1C3D	Z2C3A~Z2C3D

1. Pure White

Standard Order Codes for Pure white						
Order Code	LF	CC	VF	Bin Codes		
Part No. – 3A	Y2 Z1 Z2	Z2	A B C D	Y2Z2A~Y2Z2D	Z1Z2A~Z1Z2D	Z2Z2A~Z2Z2D
		Z4		Y2Z4A~Y2Z4D	Z1Z4A~Z1Z4D	Z2Z4A~Z2Z4D
		Z6		Y2Z6A~Y2Z6D	Z1Z6A~Z1Z6D	Z2Z6A~Z2Z6D
		Z3		Y2Z3A~Y2Z3D	Z1Z3A~Z1Z3D	Z2Z3A~Z2Z3D
		Z5		Y2Z5A~Y2Z5D	Z1Z5A~Z1Z5D	Z2Z5A~Z2Z5D
		Z7		Y2Z7A~Y2Z7D	Z1Z7A~Z1Z7D	Z2Z7A~Z2Z7D
Part No. – 3B	Y2 Z1 Z2	Z3	A B C D	Y2Z3A~Y2Z3D	Z1Z3A~Z1Z3D	Z2Z3A~Z2Z3D
		Z5		Y2Z5A~Y2Z5D	Z1Z5A~Z1Z5D	Z2Z5A~Z2Z5D
		Z7		Y2Z7A~Y2Z7D	Z1Z7A~Z1Z7D	Z2Z7A~Z2Z7D
		A2		Y2A2A~Y2A2D	Z1A2A~Z1A2D	Z2A2A~Z2A2D
		A4		Y2A4A~Y2A4D	Z1A4A~Z1A4D	Z2A4A~Z2A4D
		A6		Y2A6A~Y2A6D	Z1A6A~Z1A6D	Z2A6A~Z2A6D
Part No. – 3C	Y2 Z1 Z2	A2	A B C D	Y2A2A~Y2A2D	Z1A2A~Z1A2D	Z2A2A~Z2A2D
		A4		Y2A4A~Y2A4D	Z1A4A~Z1A4D	Z2A4A~Z2A4D
		A6		Y2A6A~Y2A6D	Z1A6A~Z1A6D	Z2A6A~Z2A6D
		A3		Y2A3A~Y2A3D	Z1A3A~Z1A3D	Z2A3A~Z2A3D
		A5		Y2A5A~Y2A5D	Z1A5A~Z1A5D	Z2A5A~Z2A5D
		A7		Y2A7A~Y2A7D	Z1A7A~Z1A7D	Z2A7A~Z2A7D
Part No. – 3D	Y2 Z1 Z2	A3	A B C D	Y2A3A~Y2A3D	Z1A3A~Z1A3D	Z2A3A~Z2A3D
		A5		Y2A5A~Y2A5D	Z1A5A~Z1A5D	Z2A5A~Z2A5D
		A7		Y2A7A~Y2A7D	Z1A7A~Z1A7D	Z2A7A~Z2A7D
		B0		Y2B0A~Y2B0D	Z1B0A~Z1B0D	Z2B0A~Z2B0D
		B2		Y2B2A~Y2B2D	Z1B2A~Z1B2D	Z2B2A~Z2B2D
		B4		Y2B4A~Y2B4D	Z1B4A~Z1B4D	Z2B4A~Z2B4D
Part No. – 3E	Y2 Z1 Z2	A3	A B C D	Y2A3A~Y2A3D	Z1A3A~Z1A3D	Z2A3A~Z2A3D
		A5		Y2A5A~Y2A5D	Z1A5A~Z1A5D	Z2A5A~Z2A5D
		A7		Y2A7A~Y2A7D	Z1A7A~Z1A7D	Z2A7A~Z2A7D
		B2		Y2B2A~Y2B2D	Z1B2A~Z1B2D	Z2B2A~Z2B2D
		B4		Y2B4A~Y2B4D	Z1B4A~Z1B4D	Z2B4A~Z2B4D
		B6		Y2B6A~Y2B6D	Z1B6A~Z1B6D	Z2B6A~Z2B6D

2. Warm White

Standard Order Codes for Warm white						
Order Code	LF	CC	VF	Bin Codes		
Part No. – 1A	X1 X2 Y1	F0	A B C D	X1F0A~X1F0D	X2F0A~X2F0D	Y1F0A~Y1F0D
		F2		X1F2A~X1F2D	X2F2A~X2F2D	Y1F2A~Y1F2D
		F4		X1F4A~X1F4D	X2F4A~X2F4D	Y1F4A~Y1F4D
		F1		X1F1A~X1F1D	X2F1A~X2F1D	Y1F1A~Y1F1D
		F3		X1F3A~X1F3D	X2F3A~X2F3D	Y1F3A~Y1F3D
		F5		X1F5A~X1F5D	X2F5A~X2F5D	Y1F5A~Y1F5D
Part No. – 1B	X1 X2 Y1	F1	A B C D	X1F1A~X1F1D	X2F1A~X2F1D	Y1F1A~Y1F1D
		F3		X1F3A~X1F3D	X2F3A~X2F3D	Y1F3A~Y1F3D
		F5		X1F5A~X1F5D	X2F5A~X2F5D	Y1F5A~Y1F5D
		G0		X1G0A~X1G0D	X2G0A~X2G0D	Y1G0A~Y1G0D
		G2		X1G2A~X1G2D	X2G2A~X2G2D	Y1G2A~Y1G2D
		G4		X1G4A~X1G4D	X2G4A~X2G4D	Y1G4A~Y1G4D
Part No. – 1C	X1 X2 Y1	G0	A B C D	X1G0A~X1G0D	X2G0A~X2G0D	Y1G0A~Y1G0D
		G2		X1G2A~X1G2D	X2G2A~X2G2D	Y1G2A~Y1G2D
		G4		X1G4A~X1G4D	X2G4A~X2G4D	Y1G4A~Y1G4D
		G1		X1G1A~X1G1D	X2G1A~X2G1D	Y1G1A~Y1G1D
		G3		X1G3A~X1G3D	X2G3A~X2G3D	Y1G3A~Y1G3D
		G5		X1G5A~X1G5D	X2G5A~X2G5D	Y1G5A~Y1G5D
Part No. – 1D	X1 X2 Y1	G1	A B C D	X1G1A~X1G1D	X2G1A~X2G1D	Y1G1A~Y1G1D
		G3		X1G3A~X1G3D	X2G3A~X2G3D	Y1G3A~Y1G3D
		G5		X1G5A~X1G5D	X2G5A~X2G5D	Y1G5A~Y1G5D
		H0		X1H0A~X1H0D	X2H0A~X2H0D	Y1H0A~Y1H0D
		H2		X1H2A~X1H2D	X2H2A~X2H2D	Y1H2A~Y1H2D
		H4		X1H4A~X1H4D	X2H4A~X2H4D	Y1H4A~Y1H4D
Part No. – 1E	X1 X2 Y1	H0	A B C D	X1H0A~X1H0D	X2H0A~X2H0D	Y1H0A~Y1H0D
		H2		X1H2A~X1H2D	X2H2A~X2H2D	Y1H2A~Y1H2D
		H4		X1H4A~X1H4D	X2H4A~X2H4D	Y1H4A~Y1H4D
		H1		X1H1A~X1H1D	X2H1A~X2H1D	Y1H1A~Y1H1D
		H3		X1H3A~X1H3D	X2H3A~X2H3D	Y1H3A~Y1H3D
		H5		X1H5A~X1H5D	X2H5A~X2H5D	Y1H5A~Y1H5D

2. Warm White

Standard Order Codes for Warm white						
Order Code	LF	CC	VF	Bin Codes		
Part No. - 2A	X1 X2 Y1	F8	A B C D	X1F8A~X1F8D	X2F8A~X2F8D	Y1F8A~Y1F8D
		F0		X1F0A~X1F0D	X2F0A~X2F0D	Y1F0A~Y1F0D
		F2		X1F2A~X1F2D	X2F2A~X2F2D	Y1F2A~Y1F2D
		F9		X1F9A~X1F9D	X2F9A~X2F9D	Y1F9A~Y1F9D
		F1		X1F1A~X1F1D	X2F1A~X2F1D	Y1F1A~Y1F1D
		F3		X1F3A~X1F3D	X2F3A~X2F3D	Y1F3A~Y1F3D
Part No. - 2B	X1 X2 Y1	F9	A B C D	X1F9A~X1F9D	X2F9A~X2F9D	Y1F9A~Y1F9D
		F1		X1F1A~X1F1D	X2F1A~X2F1D	Y1F1A~Y1F1D
		F3		X1F3A~X1F3D	X2F3A~X2F3D	Y1F3A~Y1F3D
		G8		X1G8A~X1G8D	X2G8A~X2G8D	Y1G8A~Y1G8D
		G0		X1G0A~X1G0D	X2G0A~X2G0D	Y1G0A~Y1G0D
		G2		X1G2A~X1G2D	X2G2A~X2G2D	Y1G2A~Y1G2D
Part No. - 2C	X1 X2 Y1	G8	A B C D	X1G8A~X1G8D	X2G8A~X2G8D	Y1G8A~Y1G8D
		G0		X1G0A~X1G0D	X2G0A~X2G0D	Y1G0A~Y1G0D
		G2		X1G2A~X1G2D	X2G2A~X2G2D	Y1G2A~Y1G2D
		G9		X1G9A~X1G9D	X2G9A~X2G9D	Y1G9A~Y1G9D
		G1		X1G1A~X1G1D	X2G1A~X2G1D	Y1G1A~Y1G1D
		G3		X1G3A~X1G3D	X2G3A~X2G3D	Y1G3A~Y1G3D
Part No. - 2D	X1 X2 Y1	G9	A B C D	X1G9A~X1G9D	X2G9A~X2G9D	Y1G9A~Y1G9D
		G1		X1G1A~X1G1D	X2G1A~X2G1D	Y1G1A~Y1G1D
		G3		X1G3A~X1G3D	X2G3A~X2G3D	Y1G3A~Y1G3D
		H8		X1H8A~X1H8D	X2H8A~X2H8D	Y1H8A~Y1H8D
		H0		X1H0A~X1H0D	X2H0A~X2H0D	Y1H0A~Y1H0D
		H2		X1H2A~X1H2D	X2H2A~X2H2D	Y1H2A~Y1H2D
Part No. - 2E	X1 X2 Y1	H8	A B C D	X1H8A~X1H8D	X2H8A~X2H8D	Y1H8A~Y1H8D
		H0		X1H0A~X1H0D	X2H0A~X2H0D	Y1H0A~Y1H0D
		H2		X1H2A~X1H2D	X2H2A~X2H2D	Y1H2A~Y1H2D
		H9		X1H9A~X1H9D	X2H9A~X2H9D	Y1H9A~Y1H9D
		H1		X1H1A~X1H1D	X2H1A~X2H1D	Y1H1A~Y1H1D
		H3		X1H3A~X1H3D	X2H3A~X2H3D	Y1H3A~Y1H3D

2. Warm White

Standard Order Codes for Warm white						
Order Code	LF	CC	VF	Bin Codes		
Part No. - 3A	X1 X2 Y1	F2	A B C D	X1F2A~X1F2D	X2F2A~X2F2D	Y1F2A~Y1F2D
		F4		X1F4A~X1F4D	X2F4A~X2F4D	Y1F4A~Y1F4D
		F6		X1F6A~X1F6D	X2F6A~X2F6D	Y1F6A~Y1F6D
		F3		X1F3A~X1F3D	X2F3A~X2F3D	Y1F3A~Y1F3D
		F5		X1F5A~X1F5D	X2F5A~X2F5D	Y1F5A~Y1F5D
		F7		X1F7A~X1F7D	X2F7A~X2F7D	Y1F7A~Y1F7D
Part No. - 3B	X1 X2 Y1	F3	A B C D	X1F3A~X1F3D	X2F3A~X2F3D	Y1F3A~Y1F3D
		F5		X1F5A~X1F5D	X2F5A~X2F5D	Y1F5A~Y1F5D
		F7		X1F7A~X1F7D	X2F7A~X2F7D	Y1F7A~Y1F7D
		G2		X1G2A~X1G2D	X2G2A~X2G2D	Y1G2A~Y1G2D
		G4		X1G4A~X1G4D	X2G4A~X2G4D	Y1G4A~Y1G4D
		G6		X1G6A~X1G6D	X2G6A~X2G6D	Y1G6A~Y1G6D
Part No. - 3C	X1 X2 Y1	G2	A B C D	X1G2A~X1G2D	X2G2A~X2G2D	Y1G2A~Y1G2D
		G4		X1G4A~X1G4D	X2G4A~X2G4D	Y1G4A~Y1G4D
		G6		X1G6A~X1G6D	X2G6A~X2G6D	Y1G6A~Y1G6D
		G3		X1G3A~X1G3D	X2G3A~X2G3D	Y1G3A~Y1G3D
		G5		X1G5A~X1G5D	X2G5A~X2G5D	Y1G5A~Y1G5D
		G7		X1G7A~X1G7D	X2G7A~X2G7D	Y1G7A~Y1G7D
Part No. - 3D	X1 X2 Y1	G3	A B C D	X1G3A~X1G3D	X2G3A~X2G3D	Y1G3A~Y1G3D
		G5		X1G5A~X1G5D	X2G5A~X2G5D	Y1G5A~Y1G5D
		G7		X1G7A~X1G7D	X2G7A~X2G7D	Y1G7A~Y1G7D
		H2		X1H2A~X1H2D	X2H2A~X2H2D	Y1H2A~Y1H2D
		H4		X1H4A~X1H4D	X2H4A~X2H4D	Y1H4A~Y1H4D
		H6		X1H6A~X1H6D	X2H6A~X2H6D	Y1H6A~Y1H6D
Part No. - 3E	X1 X2 Y1	H2	A B C D	X1H2A~X1H2D	X2H2A~X2H2D	Y1H2A~Y1H2D
		H4		X1H4A~X1H4D	X2H4A~X2H4D	Y1H4A~Y1H4D
		H6		X1H6A~X1H6D	X2H6A~X2H6D	Y1H6A~Y1H6D
		H3		X1H3A~X1H3D	X2H3A~X2H3D	Y1H3A~Y1H3D
		H5		X1H5A~X1H5D	X2H5A~X2H5D	Y1H5A~Y1H5D
		H7		X1H7A~X1H7D	X2H7A~X2H7D	Y1H7A~Y1H7D